FIELD DRYING OF HOT MIX ASPHALT ITM 572

APPARATUS

[ ] Oven, maintained at 221 ± 9°F
[ ] Electric skillet, with thermostatic heat control capable of heating to 221°F
[ ] Round, bowl type, metal pan
[ ] Sample container
[ ] Spatula

PROCEDURE

[ ] Weight of sample as follows

Mixture Designation	Minimum Weight of Sample (g)
4.75 mm	1000
9.5 mm	1500
12.5 mm	2000
19.0 mm, C19.0 mm	3000
25.0 mm, C25.0 mm	4000

Plate Sample

[ ] Weight of pan and spatula determined at approximately 221°F
[ ] Sample contained in sealed oven bag immediately placed in the pan with a spatula, and placed in oven at 221°F
[ ] Weight of sample, pan, and spatula determined after 1 h
[ ] Bag opened and sample, pan, and spatula placed in oven at approximately 221°F
[ ] Sample, pan, and spatula weighed at 15 minute intervals until constant weight is achieved
[ ] Sample stirred after each weighing if sample has not reached constant weight

Truck Sample

[ ] Weight of pan and spatula determined at approximately 221°F
[ ] Sample contained in sealed oven bag immediately placed in pan with spatula and weighed

[ ] Bag opened and pan, spatula, and sample with bag placed in oven at 221°F
[ ] Sample, pan, and spatula weighed at 15 minute intervals until constant weight is achieved
[ ] Sample stirred after each weighing if sample has not reached constant weight

Sample - No Moisture Determination

[ ] Sample, sample container, and spatula and placed in oven at 221°F
[ ] If skillet is used, sample and spatula placed in skillet at 221°F
[ ] Sample, sample container or skillet, and spatula weighed at 15 minute intervals until constant weight is achieved.
[ ] Sample stirred after each weighing if sample has not achieved constant weight

Calculations

[ ] Moisture content calculated correctly to 0.01% as follows:

$$\text{Moisture content, \%} = \frac{W_1 - W_2}{W_2} \text{ x } 100$$

where:
W_1 = original weight of sample, g
W_2 = constant weight of sample, g

NA - Not Applicable
X - Requires Corrective Action
√ - Satisfactory

_____
Acceptance Technician

_____ _____
INDOT Date

Comments _____

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